

# Weekly Report

08/02/2015 - 08/09/2015

Jing XIA

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## 1 Summary

This week I mainly focus on the DataScanner project.

## 2 Projects

### 2.1 Project 1 - DataScanner1

I fixed the bugs in relation representation (mainly the color scheme, see figure below) and coordinated view display. Users are able to see the skewed distribution of the underlying data.

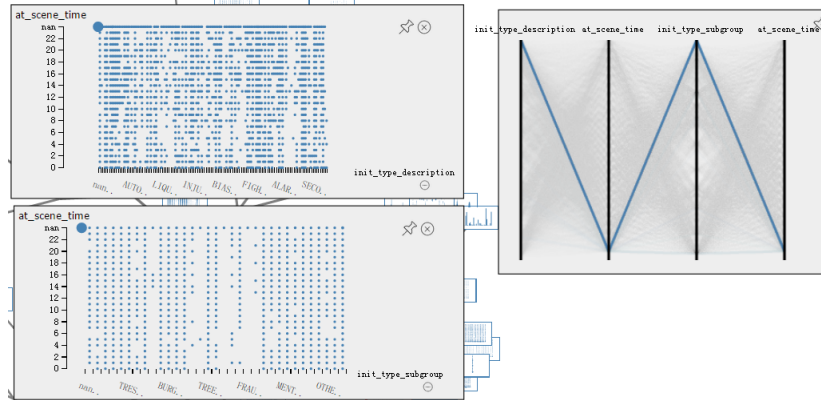


Figure 1: View relation representation.

I enriched the view widget behaviors in two aspects (elaborated in the 4 figures below):

- Views are highlighted in different colors so that users are able to find out the correspondence.

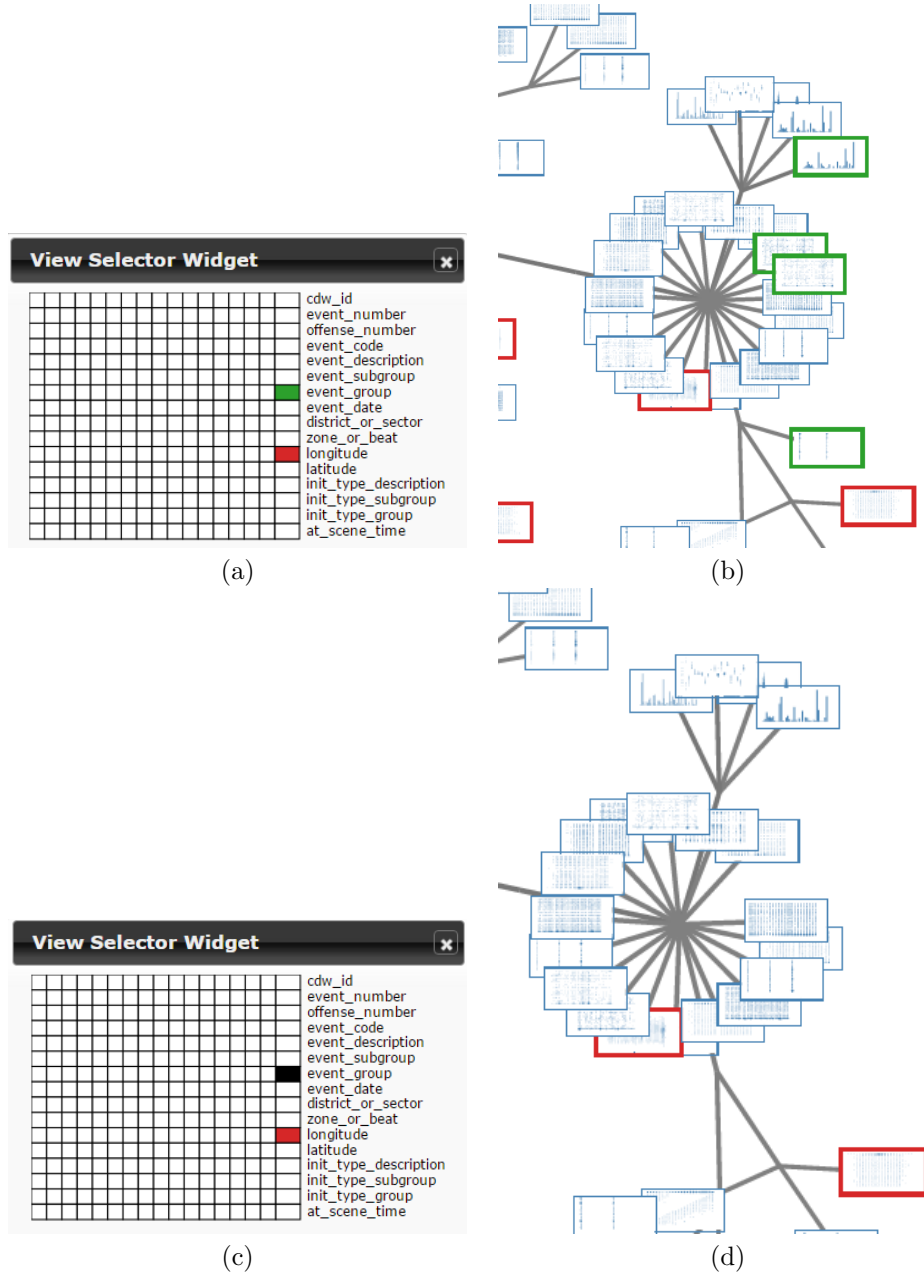


Figure 2: View widget behaviors. (a) Views related to "event\_group" are highlighted in green while views related to "longitude" in red. (b) Corresponding views are highlighted accordingly. (c) Views related to "event\_group" are filtered while views related to "longitude" are still highlighted in red. (d) Corresponding views are highlighted in red for views related to "longitude". Views related to "event\_group" as well as the associated edges are removed (set invisible, thus can be recovered).

- By interactions of the widget, users are able to filter views of the tree. Clicking the entries results to interchanges among three states: highlighting, filtering, recovering.

## **2.2 Project 4 - TopK Project**

I've submitted the major revision of the TopK paper to CG&A and ChinaVis paper to JOV (in JOV paper style).

## **3 Paper Reading and Miscellaneous**

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## **4 To Do List**

1. Go on with DataScanner.